

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
Francis R. CIRILLO, et al.) Group Art Unit: TBA
Serial No.: 10/772,009) Examiner: TBA
Filed: February 3, 2004) Atty. Docket No.: 000479.00125
For: MEASUREMENT AND SIGNATURE INTELLIGENCE ANALYSIS AND REDUCTION TECHNIQUE))

INFORMATION DISCLOSURE STATEMENT

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Sir:

Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. A copy of each cited prior art reference was provided or cited in the prior co-pending U.S. Patent Application No. 10/269,818 in accordance with 37 C.F.R. 1.98(d). It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

U.S. Patent Application No. 10/772,009

Applicant does not waive any right to take appropriate action to establish patentability over the listed documents should they be applied as a reference against the claims of the present application.

The accompanying Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

Respectfully submitted, BANNER & WITCOFF, LTD.

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Bradley C. Wright

Registration No. 38,061

1001 G Street, N.W. Eleventh Floor Washington, D.C. 20001-4597 (202) 824-3000

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Approved for use through 10/31/2002. OMB 0651-0031 Approved for use through 10/31/2002. OMB 0651-0031 A.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO Complete if Known **Application Number** 10/772,009 **INFORMATION DISCLOSURE** Filing Date February 3, 2004 STATEMENT BY APPLICANT First Named Inventor Francis CIRILLO et al. Group Art Unit To Be Assignedend (use as many sheets as necessary) Examiner Name To Be Assigned Sheet of 2 Attorney Docket Number 000479.00125

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PTO/SB/08A (08-00)

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Complete if Known Application Number 10/772,009 Filing Date February 3, 2004 First Named Inventor Francis CIRILLO et al. Group Art Unit To Be Assignedend **Examiner Name** To Be Assigned

(use as many sheets as necessary) Sheet of 2 Attorney Docket Number 000479.00125

			U.S. PATENT DOCU	MENTS				
Examiner Initials *	Cite No.1	U.S. Patent Document Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevan Passages or Relevant Figures Appear			
	AL	A.V. Oppenheim and IEEE, vol. 29, pp. 529	J. S. Lim, "The Importan 9-541, 1981	ce of Phase in Signa	Il", Proceedings of the			
	АМ	Randal C. Reininger and Jerry D. Gibson, "Distributions of the Two-Dimensional DCT Coefficients for Images", IEEE Transactions on Communications, vol. COM-31, No. 6, pp. 835-839, Jun. 1983						
	AN	Julia Minguillon and Jaume Pujol, "JPEG Standard Uniform Quantization Error Modeling with Applications to Sequential and Progressive Operation Modes", Journal of Electronic Imaging, vol. 10, No. 2, pp. 475-485, Apr. 2001						
	AP Gregory K. Wallace, "The JPEG Still Picture Compression Standard", IEEE Transaction on Consumer Electronics, Dec. 1991							
	AQ G. Mercier, J. Mvogo, M. Mouchot, G. Cazuguel, and J. Rudant, "Compression of Temporal Series of Registered SAR Images", CEOS, 1999 AR Bing Zeng and Anastatios Venetsanopoulous, "A JPEG-Based Interpolative Image Coding Scheme", IEEE Publication 0-7803-0946-4/93, 1993							
	AS	1527-1533, Nov. 1999						
	Norman B. Nill, "A Visual Model Weighted Cosine Transform for Image Compression and Quality Assessment", IEEE Transactions on Communications, vol. COM-33, No. 6 pp. 551-557, Jun. 1985 AU Au Andreas E. Savakis, "Evaluation of Algorithms for Lossless Compression of Continuou Tone Images", Journal of Electronic Imaging, vol. 11, No. 1, pp. 75-86, Jan. 2002 Dorian Kermish, "Image Reconstruction from Phase Information Only", Journal of the Optical Society of America, vol. 60, No. 1, pp. 15-17, Jan. 1970							
	John A. Saghri, Andrew G. Tescher, and John T. Reagan, "Spaced-Based Data Compression Issues", Journal of Electronic Imaging, vol. 3, No. 8, pp. 301-310, Jul. 1999							
	N. Beaucoudrey, T. Seren, D. Barba, and X. Morin, "Data Compression for Transmis of Polarimetric SAR Signal by Vector QuantizationPerformance Evaluation", CEO 1999 Hans Marmolin, "Subjective MSE Measures", IEEE Transactions on Systems, Man, Cybernetics, vol. SMC-16, No. 3, May/Jun. 1986							

Examiner Signature	Date Considered	